

Amendments to the Claims

Claim 1 (original): A circuit for driving cold cathode tubes comprising:

an oscillator having a high side MOSFET driver and a low side MOSFET driver;

two high voltage MOSFETs;

a resistor/capacitor network; and

a set of resonance elements comprising a single wound inductive storage device, a resonance capacitor and a cold cathode tube, wherein said resistor/capacitor network directs said oscillator to achieve a first resonance frequency to drive said resonance elements and causes said cold cathode tube to conduct and thereafter said resistor/capacitor network directs said oscillator to achieve a second resonance frequency to drive said resonance elements and illuminate said cold cathode tube.

Claim 2 (original): The circuit of claim 1, further comprising a low direct current voltage power source to supply power to said oscillator.

Claim 3 (original) The circuit of claim 1, wherein said circuit has a first resistor/capacitor network to direct said oscillator to achieve said first resonance frequency and a second resistor/capacitor network to direct said oscillator to achieve said second resonance frequency.

Claim 4 (canceled)

Claim 5 (original): The circuit of claim 1, wherein said circuit further comprises a direct current converter circuit to rectify and filter an alternating current input.

Claim 6 (original): The circuit of claim 5, wherein said direct current converter circuit is a split voltage device.

Claim 7 (original): The circuit of claim 5, wherein said direct current converter circuit is a full wave device and said circuit further comprises a direct current blocking capacitor.

Claim 8 (original): The circuit of claim 1, wherein said set of resonance elements further comprises a filter capacitor and said circuit further comprises a current sensor.

Claim 9 (original): The circuit of claim 8, wherein said circuit has at least two sets of resonance elements.

Claim 10 (canceled)

Claim 11 (original): A circuit for driving cold cathode tubes comprising:

- a split voltage direct current power converter;
- a low direct current voltage power source;
- an oscillator having a high side MOSFET driver and a low side MOSFET driver;
- two high voltage MOSFETs;
- a resistor/capacitor network; and
- a set of resonance elements comprising a single wound inductive storage device, a resonance capacitor and a cold cathode tube, wherein said resistor/capacitor network directs said oscillator to achieve a first resonance frequency to drive said resonance elements and causes said cold cathode tube to conduct and thereafter said resistor/capacitor network directs said oscillator to achieve a second resonance frequency to drive said resonance elements and illuminate said cold cathode tube.

Claim 12 (original): The circuit of claim 11, wherein said circuit has a first resistor/capacitor network to direct said oscillator to achieve said first resonance frequency and a second resistor/capacitor network to direct said oscillator to achieve said second resonance frequency.

Claim 13 (canceled)

Claim 14 (original): A circuit for driving cold cathode tubes comprising:

- a full wave direct current power converter;
- a low direct current voltage power source;
- an oscillator having a high side MOSFET driver and a low side MOSFET driver;
- two high voltage MOSFETs;
- a direct current blocking capacitor;
- a resistor/capacitor network;
- a set of resonance elements comprising a single wound inductive storage device, a filter capacitor, a resonance capacitor and a cold cathode tube, and
- a current sensor, wherein said resistor/capacitor network directs said oscillator to achieve a first resonance frequency to drive said resonance elements and causes said cold cathode tube to conduct and thereafter said resistor/capacitor network directs said oscillator to achieve a second resonance frequency to drive said resonance elements and illuminate said cold cathode tube.

Claim 15 (canceled)

Claim 16 (original): The circuit of claim 14, wherein said circuit comprises a plurality of sets of resonance elements and a plurality of current sensors.